

Vauxhall Astra/Zafira VXR Radiator

Kit List:

- 1 x Radiator
- 2 x Jubilee Clips Size 1X (30 – 40mm)
- 4 x M6 x 10mm Hex Bolts
- 2 x M6 x 20mm Penny Washers
- 1 x M6 x 10mm Flange Nut (Not Nyloc) & 1 x M6 x 20mm Penny Washer (Fitted on stud on radiator)
- 2 x M6 Plain Steel Washers
- 1 x 1" I/D 'P' Clip (M6 Fixing Hole)
- 1 x ½" I/D 'P' Clip (M6 Fixing Hole)

Fitting Instructions:

Remove the front bumper, grille and lower infill panel. Unbolt the intercooler and condenser assemblies. You **do not** need to de gas the air con system to carry out this work.

Drain the coolant from the system by loosening the drain bung on the offside of the radiator. Once the system is empty remove the hoses from the radiator, but leave them connected at the engine. Disconnect the fan assembly and un-bolt it from the back of the radiator. Remove the fan from the vehicle by lifting it upwards from the engine bay. Unclip the wiring loom from each side of the radiator. Undo the four 'Torx' bolts that secure the lower radiator brackets to the cross-member and remove the brackets. The radiator can now be dropped out from underneath the vehicle.

The fan cowling will require trimming to allow it to fit the new radiator. This can be done easily with a grinder. Use a strip of masking tape to form a tapered straight line along the top and bottom of the cowling. Starting at the widest part of the cowl, measure 12mm from the edge, and taper the edge to zero at the other end, as shown below. Remove this section with a grinder or with a hack-saw. File off the rough edges, and trial fit the fan to the new radiator.



Fitting Instructions Cont:

When you are happy with the fit of the fan assembly, remove the fan from the radiator as this must be fitted once the radiator has been installed in the car. Remove the side mounting rubbers from the old radiator, and then re-fit these to the new unit in the same way. Install the radiator from underneath the vehicle, and be sure to locate the rubbers into the plastic fork brackets bolted to the front panel.

The radiator can sit on the front cross-member whilst the two steel lower mounting brackets are loosely bolted in place with the original torx bolts. Locate the radiator into the rubbers then fully tighten the securing Torx bolts. Drop the fan into place, making sure it locates securely into the tab on the bottom of the radiator.



Secure the fan to the two M6 bosses on the nearside rear of the radiator using two M6 x 10mm bolts and M6 x 20mm washers (supplied) and secure the top onto the stud using flange nut and M6 x 20mm washer (supplied). Re-connect the hoses using either the original spring clips or the replacement jubilee clips supplied. Use the two 'P' clips supplied to secure the wiring harness to the threaded bosses on each side of the radiator, the larger 'P' clip holds the fan wiring on the nearside, the smaller clip holds the wire to the air con compressor on the offside. It is easier to fit these while the condenser is still loose.

Now the condenser and intercooler can be bolted into place, and the bumper and trims can be refitted. Refill the cooling system and run the engine, ensuring the heater functions correctly, and there are no leaks or air locks.

If you require any further information or assistance please contact one of our technical team.

COURTENAY SPORT LTD

14 Folgate Road, North Walsham, NR28 0AJ, UK.

TEL: 01692 404313 FAX: 01692 404069 Email: info@courtenaysport.co.uk Web: www.courtenaysport.co.uk